

Scaled data based on original data using
LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-
State Lighting Products

Test Report Prepared for
Cooper Lighting Solutions
(formerly Eaton)

Brand: STREETWORKS

Report Number: P324087

Luminaire Tested: **GAN-SA3C-727-U-SLL-HSS**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P324087
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-27)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GAN-SA3C-727-U-SLL-HSS
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(3) 70 CRI, 2700K, 1050mA LIGHTSQUARES WITH 16 LEDS EACH AND SPILL LIGHT
ELIMINATOR LEFT OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 13388 lumens
Efficiency: N/A
Efficacy: 80.7 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B2 - U0 - G2

Input Watts (W): 166
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT

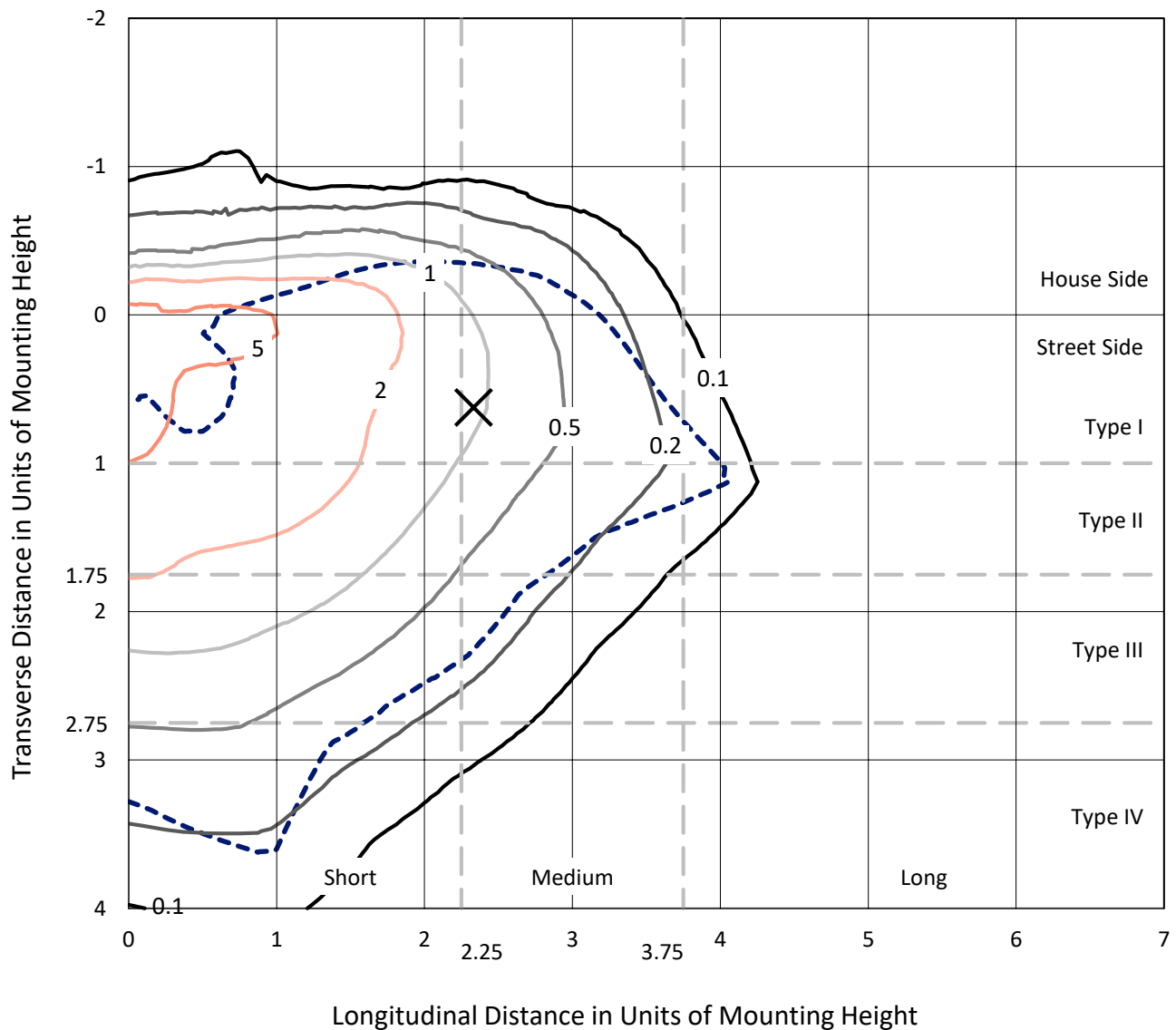


REPORT NUMBER: P324087

CATALOG NUMBER: GAN-SA3C-727-U-SLL-HSS

Iso-Footcandle Lines of Horizontal Illumination

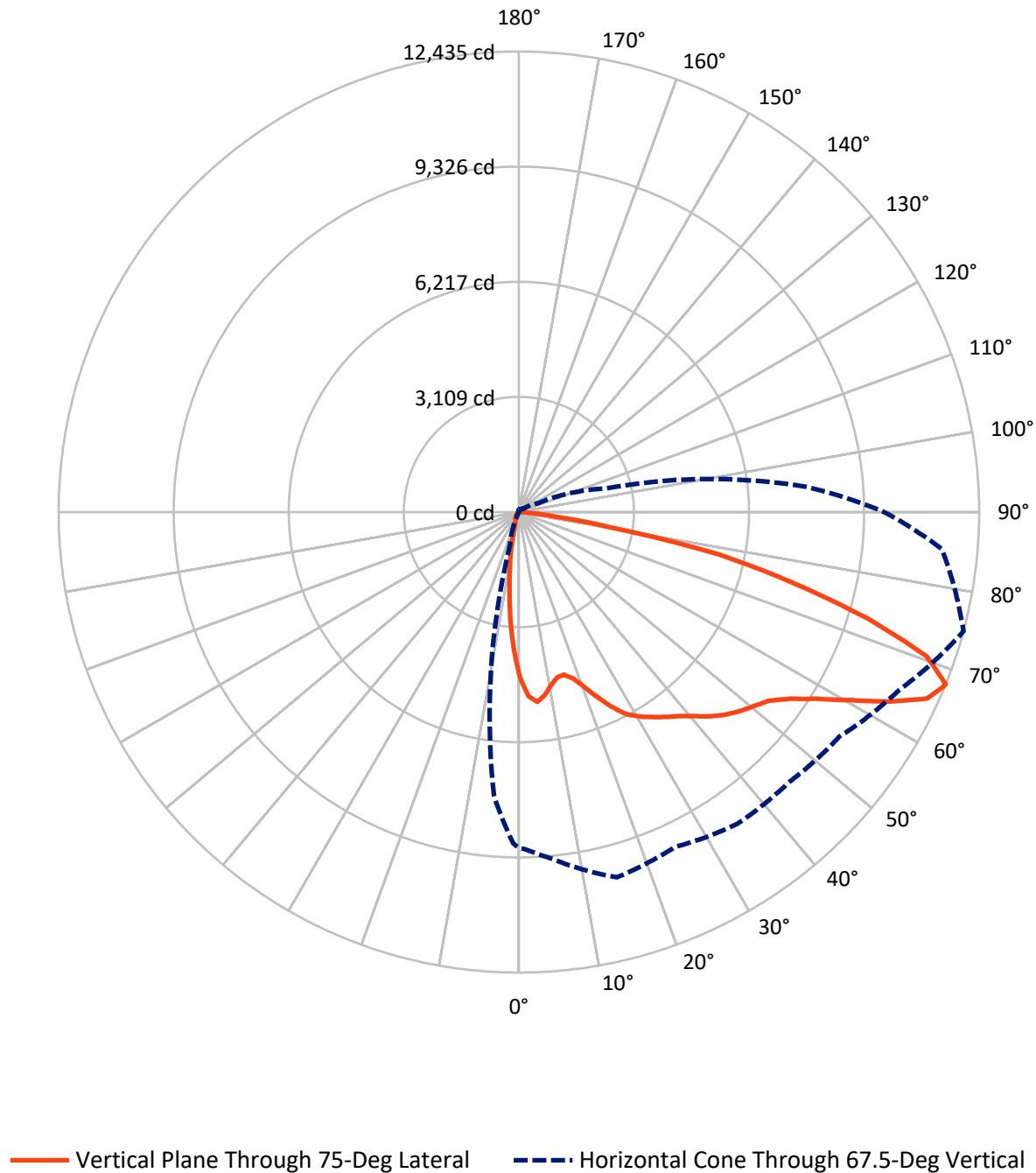
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 9.3 fc
 Type III - Medium - N/A

REPORT NUMBER: P324087
CATALOG NUMBER: GAN-SA3C-727-U-SLL-HSS

Luminous Intensity Polar Plot



REPORT NUMBER: P324087

CATALOG NUMBER: GAN-SA3C-727-U-SLL-HSS

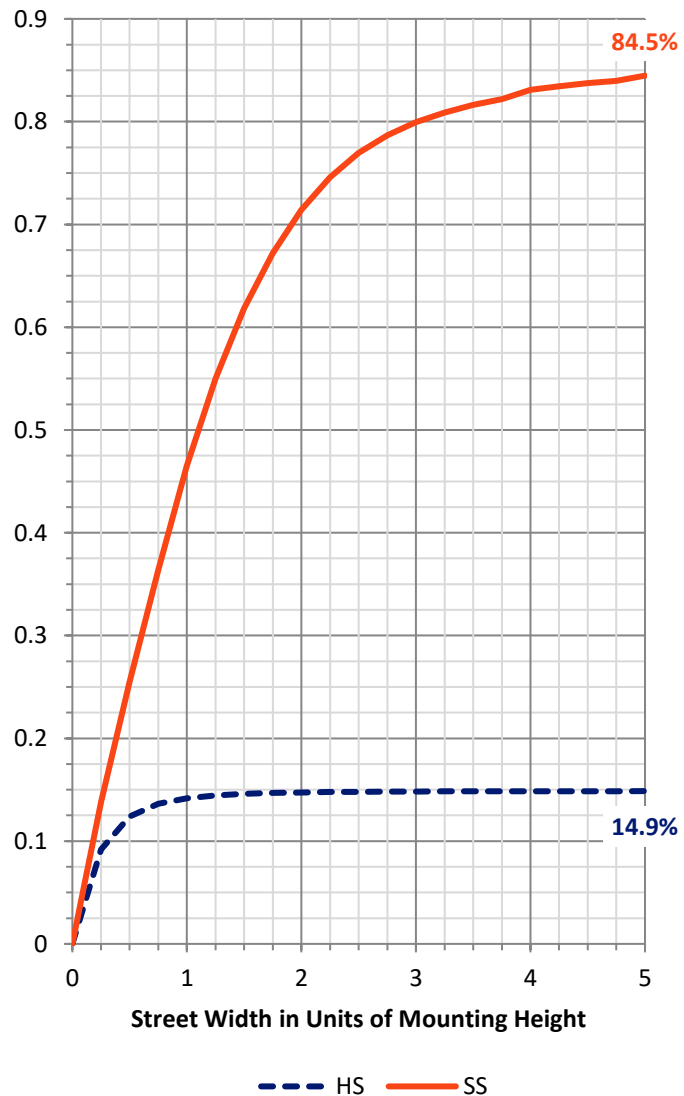
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2009.0	0.0	2009.0
	% Fixture	15.0	0.0	15.0
Street Side	Lumens	11379.0	0.0	11379.0
	% Fixture	85.0	0.0	85.0
Total	Lumens	13388.0	0.0	13388.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	340.7	2.5
10°-20°	670.8	5.0
20°-30°	949.0	7.1
30°-40°	1395.4	10.4
40°-50°	2005.6	15.0
50°-60°	2823.3	21.1
60°-70°	3297.4	24.6
70°-80°	1682.2	12.6
80°-90°	223.5	1.7
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	13388.0	100.0
0°-180°	13388.0	100.0

Coefficient of Utilization



REPORT NUMBER: P324087

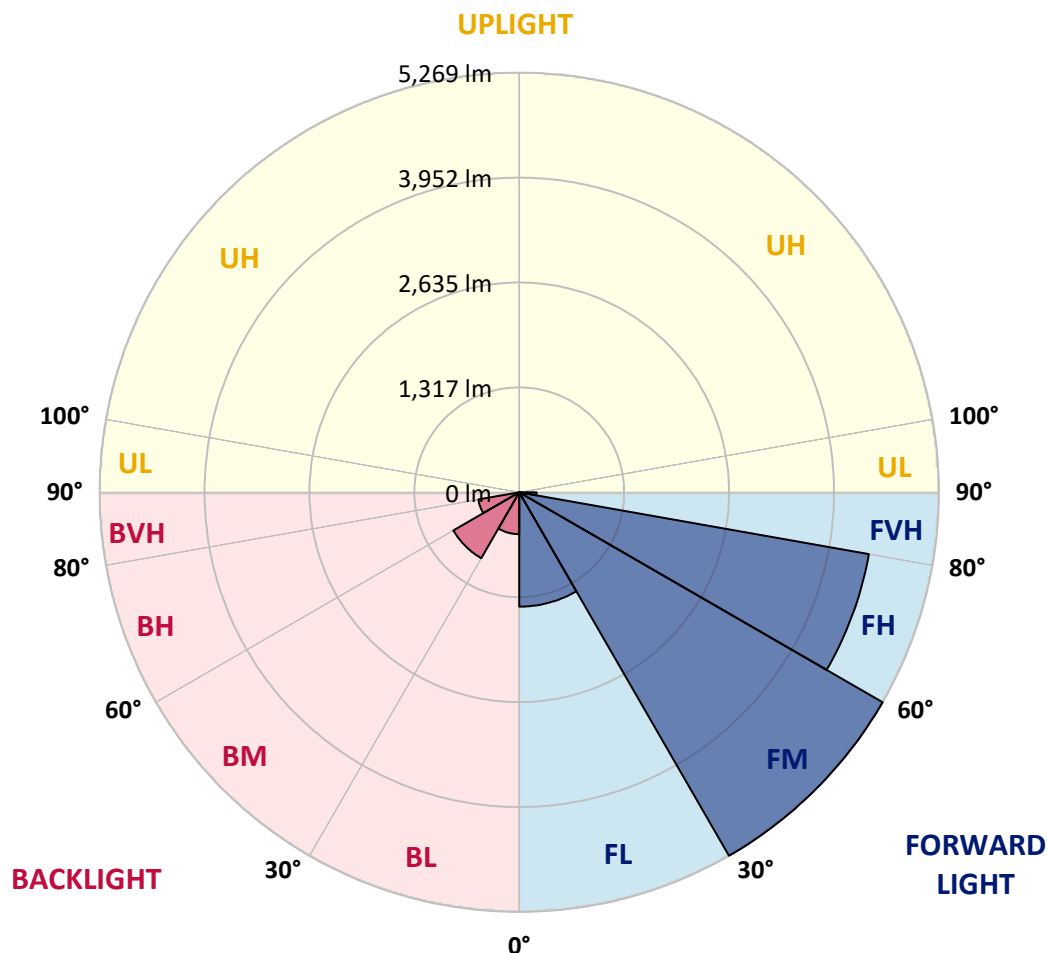
CATALOG NUMBER: GAN-SA3C-727-U-SLL-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1435.2	10.7			
FM	(30°-60°)	5269.3	39.4			
FH	(60°-80°)	4457.8	33.3			G2/5000
FVH	(80°-90°)	216.7	1.6			G2/225
BL	(0°-30°)	525.4	3.9	B2/1000		
BM	(30°-60°)	955.0	7.1	B1/1000		
BH	(60°-80°)	521.8	3.9	B2/1000		G2/1000
BVH	(80°-90°)	6.8	0.1			G0/10
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G2

Type III Medium





REPORT NUMBER: P324087

CATALOG NUMBER: GAN-SA3C-727-U-SLL-HSS

CANDELA DISTRIBUTION (FULL):

	0°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	4491.4	4491.4	4491.4	4491.4	4491.4	4491.4	4491.4	4491.4	4491.4	4491.4	4491.4
2.5°	4868.8	4876.4	4915.7	5007.1	5106.6	5114.2	5181.5	5112.3	5088.9	4977.2	4861.8
5°	4905.6	4934.8	5069.8	5338.1	5570.9	5645.7	5699.0	5563.3	5420.6	5147.8	4856.7
7.5°	4609.4	4658.2	4870.7	5374.3	5790.3	5974.2	6009.1	5796.6	5447.2	4998.2	4560.6
10°	4230.2	4286.0	4542.2	5161.2	5732.6	6047.8	6096.0	5817.6	5315.3	4755.9	4240.3
12.5°	3923.2	3988.5	4250.4	4921.4	5534.1	5882.9	5978.0	5747.2	5201.1	4584.0	4021.5
15°	3781.8	3856.6	4131.9	4766.7	5314.0	5588.6	5667.3	5567.7	5137.7	4556.8	3970.8
17.5°	3862.9	3944.1	4228.2	4780.0	5107.3	5224.6	5288.0	5328.6	5137.7	4721.0	4119.2
20°	4195.9	4283.4	4584.0	4915.1	4936.0	4892.3	4960.1	5102.8	5197.3	5033.1	4475.6
22.5°	4656.3	4759.1	5098.4	5146.6	4852.3	4686.8	4695.7	4919.5	5305.8	5428.8	4970.3
25°	5217.6	5343.2	5688.2	5491.6	4887.2	4564.4	4561.2	4768.6	5411.7	5825.2	5521.4
27.5°	5775.1	5913.3	6216.5	5912.7	5031.2	4542.2	4535.8	4722.9	5515.1	6177.8	6123.3
30°	6242.5	6376.9	6638.2	6217.8	5186.5	4594.2	4563.7	4771.8	5576.6	6406.7	6562.1
32.5°	6623.0	6730.8	6942.0	6427.7	5352.7	4695.0	4629.1	4902.4	5681.2	6600.2	6965.5
35°	7041.6	7155.1	7239.5	6627.4	5539.2	4840.3	4745.8	5109.8	5842.3	6796.8	7407.5
37.5°	7519.1	7632.0	7621.9	6810.1	5775.7	5080.6	5020.4	5438.3	6092.8	6991.5	7900.9
40°	7986.6	8102.0	8019.5	7009.9	6053.5	5477.0	5432.6	5931.7	6428.3	7240.7	8479.3
42.5°	8424.2	8549.1	8372.8	7198.9	6384.5	5976.8	6052.9	6567.2	6848.2	7547.7	8977.8
45°	8776.8	8904.2	8669.0	7382.8	6733.4	6583.1	6812.0	7271.2	7353.0	7807.1	9314.6
47.5°	9033.0	9153.5	8874.4	7566.7	7179.8	7324.4	7723.4	8009.4	7809.0	8032.2	9553.7
50°	9196.6	9290.5	8934.7	7796.9	7765.8	8189.5	8672.8	8812.3	8238.3	8235.2	9844.1
52.5°	9300.6	9343.1	8979.1	8037.3	8377.2	9131.3	9602.5	9646.3	8680.4	8458.4	10235.4
55°	9659.0	9693.2	9293.7	8328.4	8882.7	9956.4	10443.5	10402.9	9180.8	8895.4	10697.1
57.5°	10270.3	10306.5	9943.7	8747.0	9291.7	10466.3	11052.9	11125.9	9767.4	9509.3	11191.8
60°	10577.3	10644.5	10515.1	9277.2	9688.1	10792.3	11468.3	11701.1	10500.5	10318.5	11671.3
62.5°	10298.9	10396.5	10584.3	9865.1	10082.0	10971.8	11597.7	11907.2	11251.4	11261.6	11966.8
65°	9743.3	9821.3	10139.7	10187.2	10310.3	10949.6	11278.1	11619.3	11711.2	12127.9	11951.0
67.5°	9072.3	9101.5	9371.7	10212.6	9979.2	10282.4	10317.9	10570.3	11347.8	12434.9	11470.9
70°	8106.4	8122.3	8358.2	9363.4	8575.7	8642.3	8589.7	8641.1	9756.0	11687.1	10258.9
72.5°	6524.1	6564.0	6899.5	7776.0	6247.6	6055.4	6468.9	6446.1	7513.4	9873.9	7619.3
75°	4803.5	4872.6	5379.3	6263.4	4384.9	3966.3	4268.2	4348.7	5341.3	7637.7	4764.8
77.5°	3363.2	3414.6	3905.4	4604.3	3173.6	2836.2	2727.1	2822.8	3525.5	5525.2	2400.5
80°	1937.5	1956.5	2269.8	2658.6	2138.5	2446.8	2216.5	2282.5	2112.5	2458.2	1032.5
82.5°	1267.8	1270.9	1393.4	1582.3	1331.8	1547.5	1145.4	1464.4	1299.5	987.5	336.1
85°	684.9	688.7	808.0	1123.2	754.1	426.2	250.5	514.3	803.5	226.4	92.0
87.5°	75.5	69.1	243.5	408.4	209.3	38.7	13.3	57.7	128.7	14.6	0.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P324087

CATALOG NUMBER: GAN-SA3C-727-U-SLL-HSS

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	4491.4	4491.4	4491.4	4491.4	4491.4	4491.4	4491.4	4491.4	4491.4	4491.4	4491.4
2.5°	4802.8	4750.2	4618.9	4480.0	4368.4	4263.8	4158.5	4029.7	3930.2	3909.9	3876.9
5°	4700.1	4533.3	4258.1	3981.5	3758.9	3478.0	3299.8	3160.9	3025.2	3016.9	2989.6
7.5°	4341.1	4121.7	3734.2	3351.8	3038.5	2770.8	2500.7	2319.9	2177.9	2127.8	2098.0
10°	3996.1	3749.4	3265.5	2829.2	2549.5	2312.9	2122.7	1933.7	1762.5	1644.5	1591.2
12.5°	3755.1	3482.4	2949.1	2573.0	2372.6	2148.1	1915.9	1680.0	1482.8	1340.7	1253.8
15°	3661.9	3370.8	2843.1	2471.5	2224.2	1940.0	1643.2	1373.7	1154.9	1026.1	948.1
17.5°	3772.9	3434.2	2834.9	2347.8	2002.2	1648.9	1321.1	1002.7	796.6	698.9	648.8
20°	4054.5	3635.9	2831.7	2196.3	1738.4	1303.9	894.9	659.6	534.6	480.1	456.6
22.5°	4452.8	3893.4	2857.1	2046.6	1463.7	931.6	617.7	484.5	420.5	391.3	378.0
25°	4965.2	4254.9	2928.8	1910.9	1205.6	695.1	481.4	405.9	360.9	338.0	328.5
27.5°	5511.2	4670.9	3040.4	1792.9	995.7	554.3	412.2	347.5	315.2	299.3	290.5
30°	5961.5	5152.9	3153.3	1661.6	843.5	483.3	377.4	317.1	279.7	269.5	261.3
32.5°	6355.4	5517.6	3233.2	1543.0	743.9	429.4	341.2	283.5	258.1	238.5	229.6
35°	6763.2	5821.4	3230.6	1459.9	675.4	388.8	310.8	253.7	223.2	200.4	193.4
37.5°	7204.6	6164.5	3175.5	1388.9	645.6	356.4	293.6	237.8	207.4	184.6	175.7
40°	7721.5	6524.7	3119.0	1322.3	637.4	330.4	281.6	225.1	192.8	170.6	161.7
42.5°	8225.0	6849.4	3069.6	1272.9	601.9	329.8	270.8	215.6	181.4	159.8	149.7
45°	8627.7	7151.9	3060.0	1243.0	564.4	341.2	265.1	209.3	172.5	150.9	141.4
47.5°	8962.6	7480.5	3120.9	1222.1	528.9	311.4	279.1	204.8	164.3	143.3	132.5
50°	9360.9	7883.8	3264.3	1187.9	491.5	280.3	319.6	206.1	157.3	135.7	124.3
52.5°	9916.4	8441.9	3474.8	1130.2	440.1	251.8	314.6	207.4	149.7	127.5	116.1
55°	10539.2	9138.9	3701.2	1034.4	368.5	214.4	269.5	198.5	135.1	118.6	107.8
57.5°	11193.7	9771.2	3835.7	920.2	293.0	185.2	215.6	180.7	119.2	106.5	99.6
60°	11296.5	10011.6	3774.2	780.1	232.8	161.1	159.8	183.9	106.5	93.9	88.8
62.5°	11040.9	9709.7	3476.7	655.1	194.7	141.4	131.3	160.5	96.4	83.7	78.6
65°	10549.4	8893.5	2994.7	590.4	180.7	121.1	109.1	112.9	84.3	72.9	68.5
67.5°	9865.7	7803.9	2458.8	553.7	178.8	104.0	93.2	85.6	72.9	63.4	59.6
70°	8467.9	6501.2	1961.6	533.4	173.8	87.5	78.6	69.8	60.9	53.9	50.7
72.5°	6232.3	4606.9	1525.9	511.2	175.0	69.8	68.5	57.7	48.8	41.9	40.6
75°	3601.0	2632.0	1000.8	414.1	166.8	53.9	57.1	40.6	34.2	29.2	29.2
77.5°	1919.1	1605.2	381.2	172.5	60.9	34.2	32.3	24.1	21.6	17.8	17.1
80°	836.5	706.5	114.8	48.2	33.6	18.4	12.0	10.8	9.5	7.6	7.0
82.5°	296.2	255.6	37.4	23.5	14.6	0.0	0.0	0.0	0.0	0.0	0.0
85°	67.2	48.2	0.0	5.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P324087

CATALOG NUMBER: GAN-SA3C-727-U-SLL-HSS

CANDELA DISTRIBUTION (continued):

	185°	195°	205°	215°	225°	235°	245°	255°	265°	270°	275°
0°	4491.4	4491.4	4491.4	4491.4	4491.4	4491.4	4491.4	4491.4	4491.4	4491.4	4491.4
2.5°	3809.7	3795.7	3713.3	3716.4	3731.0	3752.0	3702.5	3725.3	3786.8	3845.8	3868.0
5°	2945.9	2949.1	2899.0	2930.0	2957.9	2977.0	2897.1	2898.3	2947.2	3013.7	3048.6
7.5°	2075.8	2070.7	2073.2	2147.4	2200.1	2162.0	2191.8	2088.4	2094.8	2142.3	2106.8
10°	1543.0	1473.3	1433.9	1489.7	1547.5	1526.5	1475.2	1441.5	1465.0	1517.7	1513.8
12.5°	1212.6	1112.4	1053.4	1013.5	1061.0	1021.7	1020.4	991.3	959.6	965.3	1049.6
15°	912.0	839.1	769.3	705.2	704.0	690.7	622.8	546.7	540.3	544.1	587.9
17.5°	627.2	602.5	574.0	518.8	504.2	448.4	382.4	352.0	336.8	343.7	358.3
20°	440.8	431.3	434.4	404.6	383.7	330.4	291.7	279.7	277.1	284.1	291.1
22.5°	365.3	348.2	346.3	333.0	312.0	273.3	252.4	245.4	242.3	248.6	253.7
25°	319.6	302.5	295.5	287.3	265.1	238.5	225.8	219.4	216.3	220.1	223.2
27.5°	281.6	265.7	259.4	253.7	232.1	213.1	202.9	197.2	194.7	196.0	199.1
30°	253.0	239.1	230.9	223.9	205.5	192.2	183.3	177.6	175.0	175.0	178.2
32.5°	223.2	215.6	208.0	199.1	182.0	173.1	164.3	157.9	155.4	156.0	158.6
35°	185.8	183.3	185.2	176.9	162.4	154.7	145.9	138.9	137.0	137.6	140.2
37.5°	164.9	153.5	160.5	156.0	147.8	137.6	126.2	119.9	116.7	118.6	119.9
40°	151.6	137.6	132.5	137.0	135.7	119.2	109.1	102.7	100.2	100.8	102.1
42.5°	140.2	123.7	112.3	111.6	119.2	104.0	93.2	87.5	84.3	84.3	85.6
45°	129.4	111.6	97.7	86.9	100.2	88.2	78.0	72.9	69.1	69.1	69.8
47.5°	121.1	101.5	85.0	71.0	75.5	72.3	64.1	59.0	55.2	55.2	55.8
50°	113.5	91.3	73.6	59.6	56.4	59.6	52.0	46.3	43.8	43.1	44.4
52.5°	105.3	81.2	62.8	50.7	44.4	45.0	40.6	36.8	33.6	33.6	34.9
55°	97.0	72.9	54.5	43.1	36.8	33.6	32.3	29.8	27.3	27.3	28.5
57.5°	88.8	64.1	46.3	35.5	29.2	26.6	26.6	24.7	22.8	22.8	24.1
60°	81.2	55.2	38.1	29.2	22.8	22.2	22.8	20.9	19.7	19.7	20.9
62.5°	72.3	46.9	31.1	24.1	18.4	17.8	19.7	18.4	17.1	17.1	18.4
65°	61.5	40.0	24.7	18.4	14.0	14.0	16.5	15.2	14.0	14.0	15.2
67.5°	52.0	33.6	19.0	13.3	10.1	10.8	14.0	12.7	12.0	12.0	13.3
70°	43.1	26.0	13.3	8.2	5.7	8.2	10.8	10.8	10.8	10.8	12.0
72.5°	32.3	17.8	7.6	3.2	2.5	5.7	8.9	10.1	9.5	9.5	11.4
75°	20.9	10.1	2.5	0.0	0.0	3.2	7.0	8.2	8.2	7.6	9.5
77.5°	12.0	3.2	0.0	0.0	0.0	0.0	4.4	3.8	3.2	2.5	4.4
80°	3.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P324087

CATALOG NUMBER: GAN-SA3C-727-U-SLL-HSS

CANDELA DISTRIBUTION (continued):

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	4491.4	4491.4	4491.4	4491.4	4491.4	4491.4	4491.4	4491.4	4491.4	4491.4
2.5°	3957.4	4032.3	4137.6	4249.2	4421.0	4557.4	4691.2	4806.0	4850.4	4868.8
5°	3132.3	3242.1	3396.2	3594.0	3904.2	4183.2	4466.1	4750.8	4874.5	4905.6
7.5°	2247.6	2387.8	2583.8	2831.7	3195.1	3556.6	3951.7	4369.7	4561.2	4609.4
10°	1663.5	1834.8	2059.3	2320.6	2667.5	3039.1	3469.7	3947.3	4166.1	4230.2
12.5°	1180.3	1411.7	1712.4	2030.1	2330.7	2662.4	3098.1	3624.5	3854.1	3923.2
15°	693.2	917.1	1272.9	1698.4	2083.4	2419.5	2862.2	3459.0	3712.0	3781.8
17.5°	397.6	509.3	778.2	1252.6	1775.1	2240.6	2788.0	3500.2	3798.3	3862.9
20°	303.8	339.3	448.4	806.7	1414.9	2065.0	2788.0	3733.6	4100.8	4195.9
22.5°	265.7	291.7	336.1	481.4	1041.4	1876.6	2820.3	4071.0	4551.1	4656.3
25°	235.9	259.4	297.4	362.1	710.3	1652.7	2897.1	4485.1	5081.3	5217.6
27.5°	211.2	233.4	267.6	317.1	485.8	1382.6	3000.4	4970.9	5666.0	5775.1
30°	189.0	209.9	241.0	275.9	374.8	1076.2	3088.6	5428.8	6125.2	6242.5
32.5°	168.1	187.1	215.0	241.0	307.0	795.9	3098.1	5791.6	6506.3	6623.0
35°	148.4	165.5	190.9	211.2	254.3	628.5	2950.3	6106.1	6887.5	7041.6
37.5°	129.4	145.9	168.1	183.3	223.9	512.4	2724.5	6456.8	7376.4	7519.1
40°	111.6	126.2	149.0	159.2	211.8	393.8	2479.1	6824.7	7855.9	7986.6
42.5°	95.1	109.1	131.3	150.9	185.8	294.3	2214.0	7169.7	8287.2	8424.2
45°	79.3	93.9	116.1	159.8	154.1	220.1	1930.5	7398.6	8627.7	8776.8
47.5°	64.1	80.5	111.0	152.2	123.0	161.7	1706.0	7615.5	8885.9	9033.0
50°	51.4	67.9	124.9	135.7	100.8	123.7	1612.2	7809.6	9055.2	9196.6
52.5°	41.9	57.1	118.0	104.0	84.3	102.1	1662.9	8124.2	9211.8	9300.6
55°	34.9	45.0	71.0	72.3	71.7	86.9	1725.7	8575.7	9617.1	9659.0
57.5°	30.4	36.1	49.5	55.8	60.2	77.4	1726.9	9223.9	10244.3	10270.3
60°	26.0	31.7	41.2	45.0	52.0	69.1	1664.2	9450.3	10491.0	10577.3
62.5°	22.8	27.9	34.2	37.4	43.8	62.2	1517.0	9122.4	10152.4	10298.9
65°	20.3	25.4	28.5	31.7	38.7	55.8	1274.8	8466.6	9590.5	9743.3
67.5°	17.8	22.2	25.4	28.5	34.9	49.5	938.6	7705.0	8945.5	9072.3
70°	15.9	19.7	22.8	25.4	30.4	41.9	569.5	6538.0	8053.8	8106.4
72.5°	15.2	17.8	20.9	22.8	26.6	36.8	288.6	4804.7	6438.5	6524.1
75°	13.3	15.9	19.0	20.3	23.5	31.7	117.3	3155.8	4665.9	4803.5
77.5°	10.8	14.6	17.1	18.4	20.3	26.0	59.6	2016.8	3274.4	3363.2
80°	3.8	10.8	14.6	15.2	17.1	19.0	39.3	1104.2	1899.4	1937.5
82.5°	0.0	7.0	11.4	10.8	12.0	14.6	25.4	525.1	1253.8	1267.8
85°	0.0	3.2	8.9	7.0	5.1	10.1	8.9	114.8	657.7	684.9
87.5°	0.0	0.0	0.6	3.2	2.5	3.8	1.3	0.6	59.6	75.5
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)